Burmester

111 MUSICCENTER

Operating Instructions

Dear Audiophile,

**Congratulations on your excellent choice. We sincerely appreciate your trust in us.
You have selected an audio component which excels in musical fidelity and combines uncompromising manufacturing quality with technical innovation and the highest degree of operating flexibility.**

**We urge you to read this owner's manual in its entirety at least once so you will be able to make full use of all capabilities of this outstanding audiophile instrument.
However, should you have additional questions, please contact your dealer or call us directly.**

You will be the judge of our uncompromising commitment to manufacture true high-end stereo components and to offer a service that is commensurate with the highest quality standards.

Please, talk to us about customization – even if it seems a little far-fetched to you. We gladly accept any technically reasonable challenge.

Enjoy the music.

Your Burmester team

**iPad is a registered trademark of Apple Inc., registered in the U.S.A. and other countries.
HIGHRESAUDIO is a registered trademark.**

The usability of third-party services (Internet radio, music streaming services) with the 111 Musiccenter is subject to any terms of use of third-party suppliers, as well as the technical requirements of the user and third parties (Internet access, service availability) on which Burmester Audiosysteme GmbH has no influence.

Software version 2.30

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What Options Does the Musiccenter Offer Me?

The Musiccenter combines multiple premium components into one device, providing different options to play music in the highest quality:

Preamplifier

Connect your analog and digital signal sources on the reference preamplifier and choose designations for the connected devices.

CD drive

Play CDs directly or copy them to the internal hard disk drive (ripping).

Internal hard disk drive

Save tracks on the 3 terabyte hard disk drive and optimize the sound quality during the saving process.
If a connection to the Internet exists, the CD cover and information on the album and artist are automatically downloaded and saved.

Play the saved music. Convenient options for selecting tracks by name, artist, album, and genre are at your disposal. You can also take advantage of the search function.

Home network

Connect the Musiccenter to your home network. Thanks to the DLNA/UPnP standard, the Musiccenter can make music saved on the hard disk available to other network devices.

Music download and Internet radio[1]

Via an established Internet connection, you can download high-resolution music from providers such as HIGH**RES**AUDIO and access a variety of Internet radio stations.

Operation via the iPad app

You can conveniently operate the Musiccenter on an Apple iPad using the BurmesterMC app:

- Select the connected signal source.
- Start ripping a CD to the internal memory.
- Scroll through the covers of saved albums or display information on the albums and artists.
- Create and play playlists.

Note: Please see the separate document "*Instructions for Operation via the iPad App*" for more information on installing and operating the iPad app.

Operation via a web browser

You can access the Musiccenter using any standard web browser, even without an iPad. In addition to playback of albums, tracks, and playlists, the web browser interface offers a variety of further functions:

- Import audio files in the formats flac, m4a, aif, wav, mp3, aac, and ogg.
- Edit album and track information.
- Export audio files to a USB stick.
- Call up device-specific information.
- Change device settings.

Note: Please see the separate document "*Instructions for Operation via a Web Browser*" for more information on how to operate the Musiccenter via a web browser.

1 *The Internet connection and music downloads result in use-dependent costs.*

How Do I Use These Instructions?

These operating instructions describe the set-up, connection, and operation of your 111 Musiccenter, hereinafter referred to as the "Musiccenter". Please refer to the enclosed quick guide operating instructions for information on a quick start-up and descriptions of some basic functions.

To be able to use all the functions of the Musiccenter, you need the supplied Apple iPad, which is described in separate operating instructions. After connecting and starting up the Musiccenter, you will generally only use the iPad and occasionally the remote control. The convenient format of the iPad instructions helps facilitate operation.

Please note the following:

- ▶ Read and follow the information given, in particular the safety information and warnings.
- ▶ Save these operating instructions.

Symbols and text labels used

✓	**Requirement** Designates a requirement which must be fulfilled before a subsequent action can be taken.
▶	**Action step** Designates an individual action step.
1. 2. 3.	**Sequence of actions** Designates a sequence of action steps which have to be performed in the given order.
↳	**Result** Designates the outcome of an action.

Meaning of warning symbols and words

This document uses the following warning symbols and words:

	The general danger symbol, in conjunction with the warning words CAUTION, WARNING, and DANGER, serves to warn against the risk of severe injuries. Follow all subsequent instructions to prevent serious or fatal injuries.
	The lightning symbol, in conjunction with the warning word DANGER, serves to warn against a lethal electrical voltage.
NOTICE	The warning word NOTICE indicates a danger that can lead to damage to or destruction of the device.
CAUTION	The warning word CAUTION indicates a danger that poses a low or medium risk of injury.
WARNING	The warning word WARNING indicates a danger that can lead to death or severe injuries.
DANGER	The warning word DANGER indicates a danger which can directly lead to death or severe injury.

Important Safety Information

Opening the device

Do not open the device. The device does not contain any parts that can be maintained by the user. Fuses inside the device may only be replaced by authorized staff, such as your specialist dealer.

Power supply

Use the supplied 3-wire power cord for power supply. The protective earth contact must not be rendered ineffective. Furthermore, the device may only be connected to an outlet with a functioning protective conductor connection.

The device has a power supply unit that automatically adjusts to the power supply. As a result, the device can be operated with all common power supplies.

Lay the power cord in a way that prevents it from being damaged. Do not use a damaged power cord. Instead, switch the device off and contact your specialist dealer.

Set-up

When selecting an installation location, please note the following:

- Avoid direct sunlight, excessive heat, cold, moisture, and dust.
- Ensure sufficient ventilation. Do not place the device in a closed rack.
- Do not cover the slots and openings on the device. They serve as a means of ventilation.
- Do not expose the device to dripping water or spray water and do not place any containers holding liquids on your device. Do not place any open ignition sources, such as burning candles, on the device.

Operating during thunderstorms

During thunder and lightning storms, disconnect the device from the power supply by unplugging the power cord from the unit or from the power socket. Switching off the mains switch on the back side of the device is not sufficient. For good measure, also disconnect all connected components from the power supply.

Backup

Burmester recommends backing up audio data saved in the Musiccenter to USB drives via the web interface. Backups should be performed every six months or after ripping a certain number of CDs. Please see the separate document "*Instructions for Operation via a Web Browser*" for more information on creating a backup.

What Do I Have to Observe During Unpacking and Setup?

⚠ CAUTION

Heavy device

The device is very heavy and may cause injury if it falls.

- ► Allow a second person to help you during unpacking and set-up if need be.
- ► Pay attention to any possible sharp edges.

- ► Place the box on the floor and remove all accessories and the device.
- ► An operating temperature that is too low or too high may lead to errors in the device. For this reason, after unpacking the device, leave it standing for some time before connecting it and turning it on.

Packaging

The packaging is designed for re-use as long as it has not been damaged during previous transportation. For this reason, do not throw the packaging away and use the original packaging for any further transportation.

Supplied items

- ► Make sure the package contents are complete:
  - – 111 Musiccenter
  - – RCA to XLR adapter (4 in total – 2 pairs)
  - – 005 remote control
  - – Power cord
  - – Network cable
  - – Battery
  - – Allen wrench
  - – Operating instructions (OI): Quick Guide OI, OI for the Musiccenter, Instructions for Operation via the iPad App, Instructions for Operation via a Web Browser
  - – Wi-Fi antennas (2)
  - – Wi-Fi antenna block
  - – iPad
  - – Warranty documents
- ► Please contact your specialist dealer if anything is missing or the supplied content is damaged.

Setting up the device

NOTICE

Heat or moisture

The device can be damaged if exposed to excessive heat or moisture.

- ▶ Protect the device from direct sunlight.
- ▶ Avoid setting the system up near sources of heat, such as heaters, ovens, or above devices that generate a large amount of heat (such as power amplifiers).
- ▶ Avoid moisture and dust.
- ▶ Ensure sufficient ventilation.

1. Place the device on a stable, level surface.
   CAUTION! In particular, note the weightiness of the Musiccenter.
2. Connect the device as described in the following.

How Do I Connect the Device?

This chapter describes all options for connection. Please see the appendix at the end of these operating instructions for an overview of the connections on the rear side of the device.

⚠ CAUTION

Connecting devices that are on

Connecting devices that are on can lead to damage.

- ▶ Before connection, shut off the Musiccenter and all other components belonging to your system.
- ▶ Do no switch the components back on until they have been connected completely and correctly.

Installing the storage battery

The Musiccenter is equipped with a rechargeable battery that allows the system to shut off safely in the event of a power failure. The battery is enclosed separately and has to be installed before initial device start-up.

If the battery has already been installed by your specialist dealer, you can skip the following installation instructions.

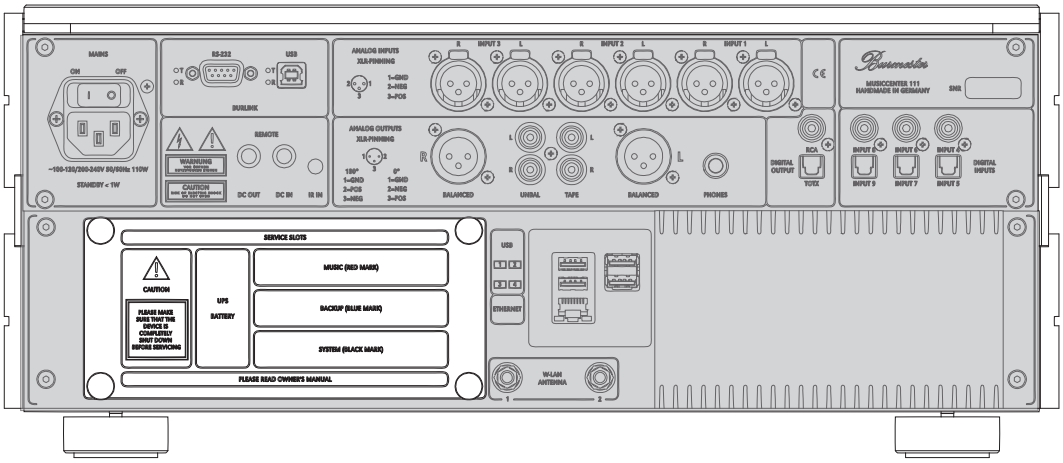
NOTICE

Operation without a storage battery

The device is also fully functional without the battery inserted, but cannot safely shut off in the event of a power failure. Possible consequences include data loss or even damage to the operating system.

- ▶ Insert the storage battery or ask your specialist dealer to do so for you.

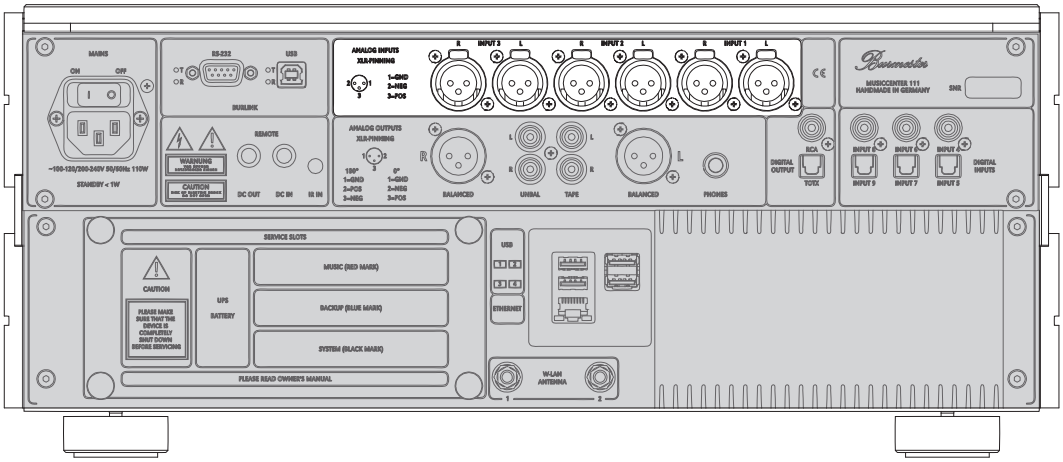
Note: In the event of a power failure, the display shuts off immediately, even if a storage battery is inserted. The system is still shut off safely in the background.



To install the storage battery:

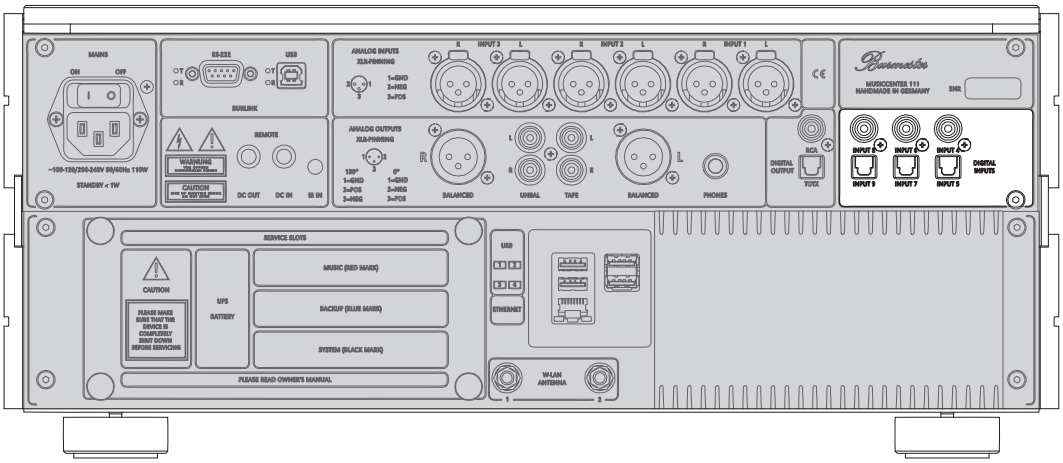
1. Unscrew the four screws and remove the service plate.
2. Connect the battery cable to the connection cable in the UPS BATTERY slot.
3. Insert the battery into the compartment until it clicks into place.
4. Position the service plate and tighten the four screws (finger tight).

Connecting analog signal sources



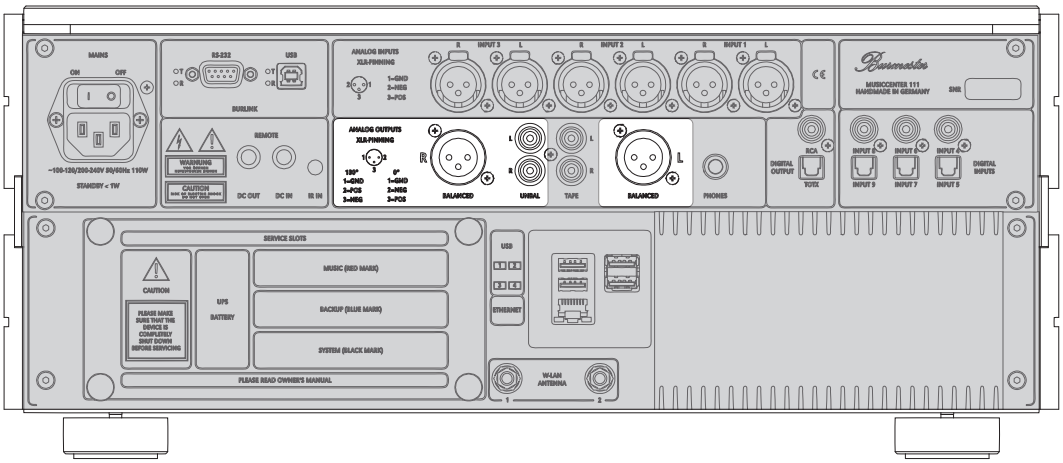
- ► Connect analog signal sources to the **INPUT 1/2/3** inputs using a balanced LF cable.
- ► Connect unbalanced cables to the enclosed XLR to RCA adapters.

Connecting digital signal sources



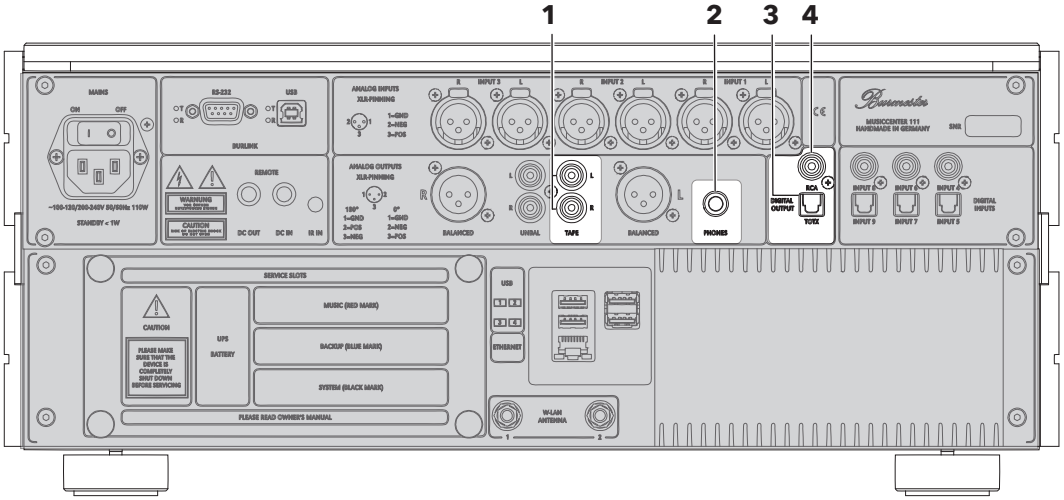
- Connect electrical digital signal sources, such as a CD player, to RCA inputs **INPUT 4/6/8**.
- Connect optical **digital** sources, such as a DAB tuner, to TOSLINK inputs **INPUT 5/7/9**.

Connecting a power amplifier



- For the best sound, connect the **BALANCED** sockets to the inputs on your amplifier using a balanced LF line.
- Use the **UNBAL** outputs and a cinch line if your amplifier only features unbalanced cinch inputs.

Connecting a tape recorder, headphones, and digital output



1	**Tape recorder (TAPE)** For connecting an analog recording device, for example.
2	**Headphones (PHONES)** For connecting headphones.
3	**Optical digital output (DIGITAL OUT)** For connecting e.g. a preamplifier via an optical digital cable (TOSLINK).
4	**Electrical digital output (DIGITAL OUT)** For connecting e.g. a preamplifier via an electrical digital cable (RCA).

Tape recorder (TAPE)

This connection outputs an analog signal with a fixed level.

► Here, you can connect an analog recording device, for example.

NOTICE! Do not connect any devices that could be damaged by the fixed level (such as a power amplifier).

Headphones (PHONES)

This connection outputs an analog signal with an adjustable level.

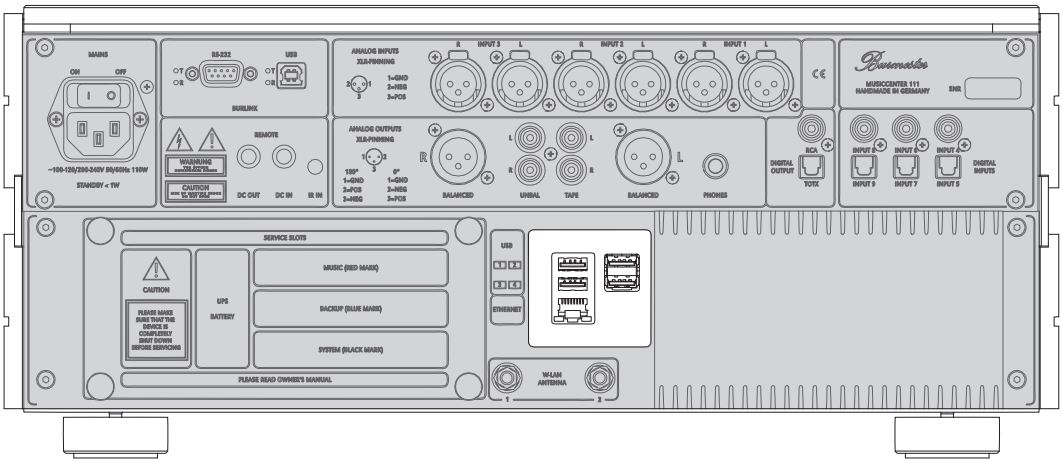
► Connect headphones here.

Digital output (DIGITAL OUT)

These connections are for digital output signals.

► Use an electrical or optical digital cable.

Connecting a network cable and USB components



ETHERNET

► Here, you can plug in an Ethernet network cable and connect it to your home network router.

Please see the section *"How Do I Operate the Musiccenter as a Pure Data Server (Server Mode)?" on page 31* and the *"Instructions for Operation via the iPad App"* for more information on operation on a network.

USB 1 – 4

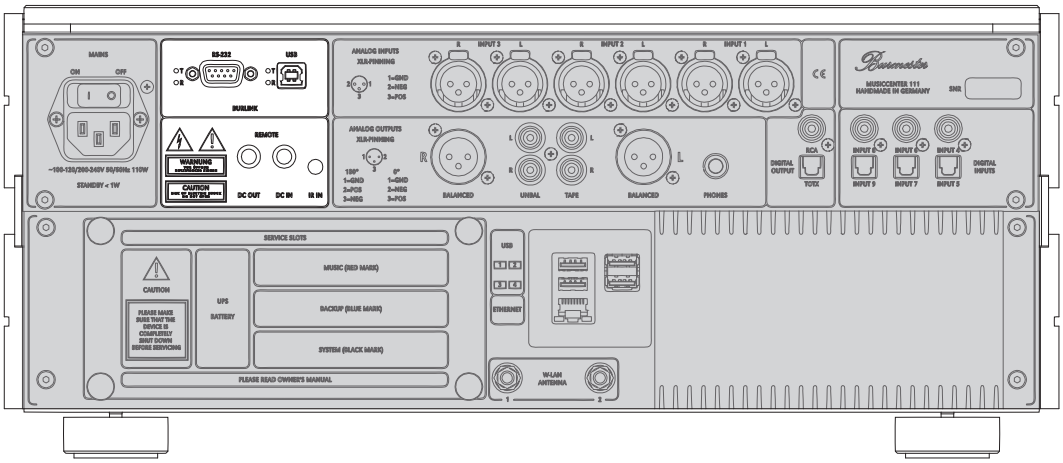
The USB slots allow you to connect USB components, such as

- An external hard disk to create a backup (see "*Instructions for Operation via a Web Browser*")
- A USB stick to install an update (see *"Performing a software update using a USB stick" on page 34*)
- A USB stick to play music (see *"How Do I Play Content from a USB Stick?" on page 25*)

► Insert the USB component.

↳ It should be detected automatically and ready for operation after a brief configuration phase. Please see the corresponding sections for more detailed information.

Connecting the remote control components



BURLINK

BURLINK (BURmester LINK) is an interface to control Burmester components via a set of remote control commands developed by Burmester.

► Connect the Musiccenter and control system using an RS-232 cable.

Note: Please see the section *"Symbols and text labels used" on page 6* for more information on using BURLINK.

REMOTE

Connecting the DC OUT socket on a separate device to the DC IN socket on a Burmester device switches this device on and off along with the Musiccenter. Correspondingly, connecting the DC IN socket to the DC-OUT socket on a Burmester device switches the Musiccenter on and off whenever the connected device is turned on or off.

► Connect the Musiccenter and a second Burmester device using a remote cable. Burmester power amplifiers include an appropriate remote cable, which can also be purchased from your specialist dealer.

IR IN

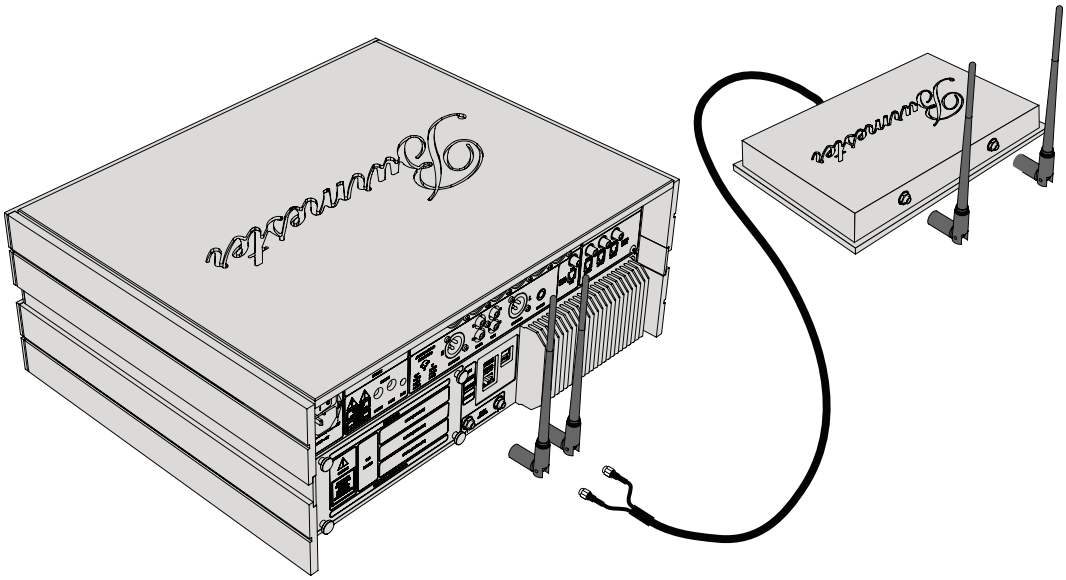
IR IN allows you to connect an additional infrared receiver. This infrared receiver can, for example, be set up in a different room, enabling remote control of the Musiccenter without direct visual contact with the device itself.

Connecting an external infrared receiver deactivates the internal receiver.

► Connect the infrared receiver's connection cable to the IR IN socket.

Note: You can get additional infrared receivers directly from Burmester. There, the connection cable is made based on your desired length.

Connecting the Wi-Fi antennas



The connection between the iPad and Musiccenter is established via the Wi-Fi antennas. You can either mount the two antennas directly to the connections on the device or connect them via the antenna block. The antenna block and connecting cable allow you to position the antennas higher, enabling a larger range.

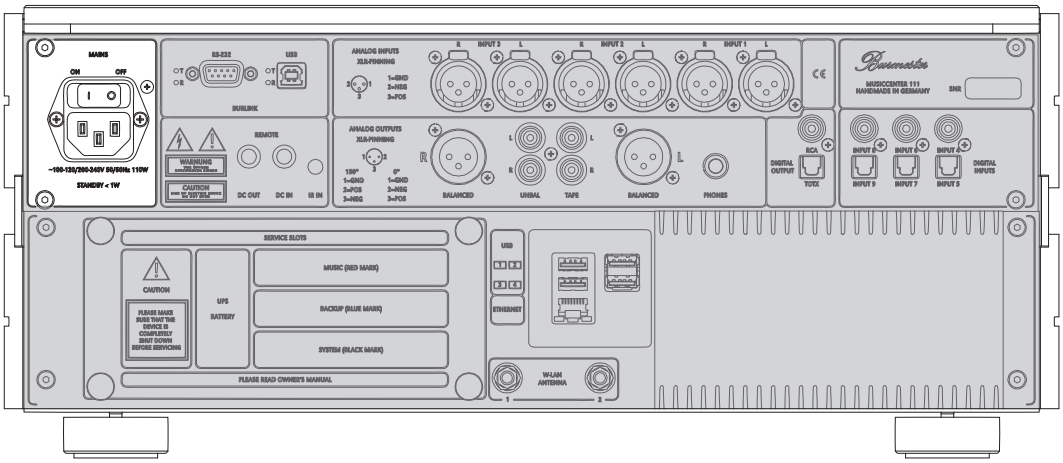
To mount the antennas directly to the device:

1. Straighten the antenna hinges and screw the antennas onto the connection threads. Make sure that the antennas do not tilt and the threads are not damaged.
2. The antennas feature a rotary, hinged base. After attachment, move the antennas into the desired position and fold them upward.

Connecting the antennas via the antenna block:

1. Screw the two plugs onto the connection thread on the device. Make sure that the plugs do not tilt and the threads are not damaged.
2. Straighten the antenna hinges and screw the antennas onto the connection threads on the antenna block. Make sure that the antennas do not tilt and the threads are not damaged.
3. Place the antenna block in a slightly elevated position above the Musiccenter.

Connecting the power cord



⚠ DANGER

Improper network cables or sockets

Network cables without a protective earth contact or sockets without a functional protective earth connection can result in a life-threatening electric shock.

- ► Use only the supplied 3-wire power cord for power supply. The protective earth contact must not be rendered ineffective.
- ► Connect the device only to an outlet with a functioning protective conductor connection.

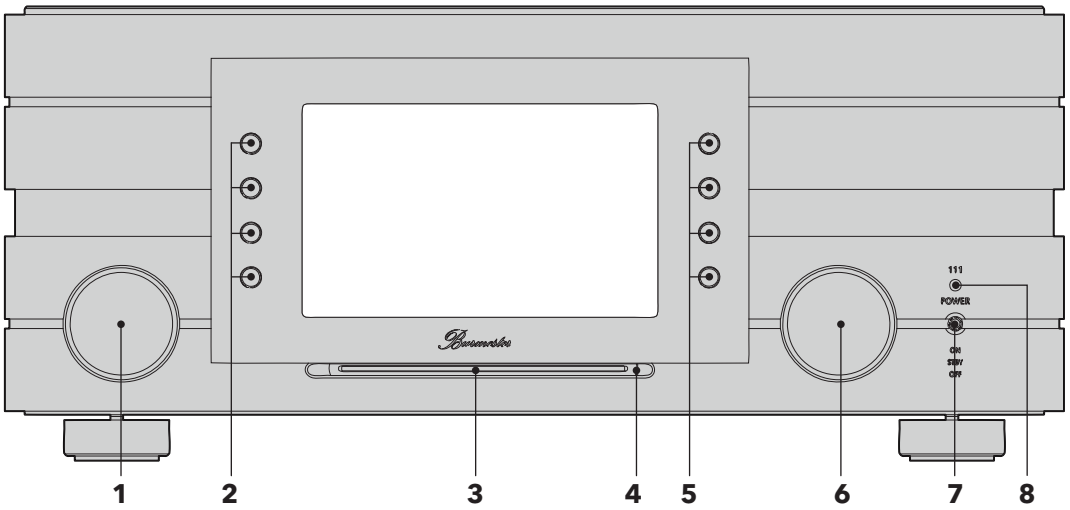
Connecting the power cord:

✓ The **MAINS** switch is set to **OFF**.

1. Plug in the supplied power cord and connect it to the power socket.
2. Switch the **MAINS** switch to **ON**.
   ↳ Now, the **POWER LED** on the front of the device (see *"What Operating and Display Elements Are There?" on page 17*, point 8) will light up in green for about 2 seconds. At this moment, the device measures and adjusts to the power supply. After this process is completed successfully, the POWER LED goes out.

Note: The device is disconnected from the power supply via the MAINS power switch. For this reason, only switch MAINS to OFF when the device is in stand-by mode (POWER LED is lit in orange) or if the POWER switch has been turned off (LED is not lit).

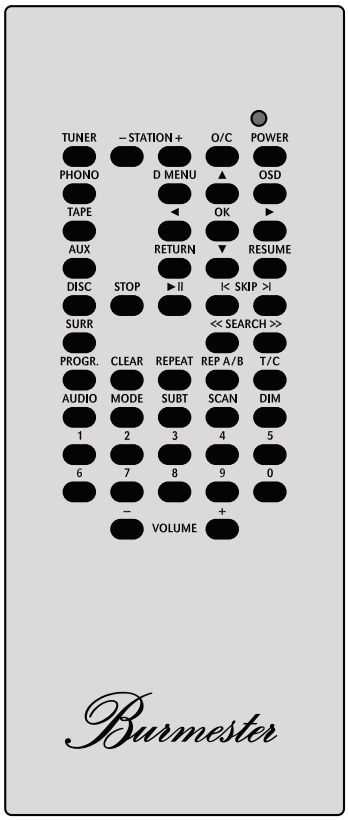
What Operating and Display Elements Are There?



1	**Rotary knob for selecting menu functions** • Turn to mark a menu item • Press to select a menu item
2	**Left bank of buttons for selecting functions** The respective button function is shown on the display.
3	**CD drive**
4	**Infrared receiver** The IR receiver receives the remote control signals. Do not place objects in front of the receiver.
5	**Right bank of buttons for selecting functions** The respective button function is shown on the display.
6	**Volume control** • Turn to change the volume • Press to mute playback of the analog outputs
7	**ON/OFF switch (POWER)** • **OFF:** The device is switched off. It cannot be switched on with the remote control. The LED is not lit. • **STBY**: The device is in stand-by mode and can be switched on using the remote control. The LED lights up in orange. • **ON**: Briefly pushing the switch upward switches on the device. The switch returns to the center position. The LED lights up in red. Pushing the switch upward again returns the device to standby mode. • **SERVER MODE:** When the LED is lit in green, the Musiccenter is in server mode. For more details, please see *"How Do I Operate the Musiccenter as a Pure Data Server (Server Mode)?" on page 31*.
8	**LED** • LED not lit: The device is switched off. • LED lights up in orange: The device is in stand-by mode and can be switched on using the remote control. • LED lights up in red: the device is in operation. • LED lights up in green: The device is in server mode. For more details, please see *"How Do I Operate the Musiccenter as a Pure Data Server (Server Mode)?" on page 31*.

What Functions Does the Remote Control Offer?

The remote control allows you to quickly access some frequently used functions, such as device power on/off, volume control, as well as CD drive control. All additional functions, however, are only available using the iPad.

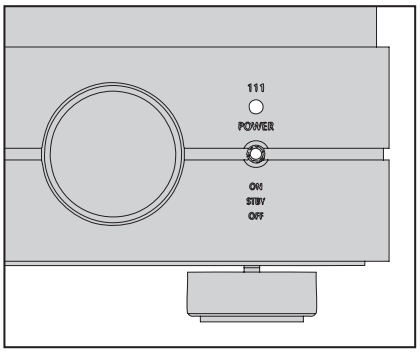


The available functions:

POWER	Switch the device on or into standby mode.
STOP	Stop CD playback.
►II	Start or pause CD playback.
I< SKIP >I	Skip to the beginning of the track/previous/next CD track
MODE	Gradually turn on the screen backlight
DIM	Gradually dim or switch off the screen completely
VOLUME – / +	Lower/increase the volume

How Do I Switch the Device on?

1. Move the **POWER** switch on the front side of the device to the center position.
   ↳ The LED lights up in orange and the device is in stand-by mode.
2. Briefly push the **POWER** switch upward or press the **POWER** button on the remote control.
   ↳ The LED lights up in red and the system initiates. This process takes about one minute.



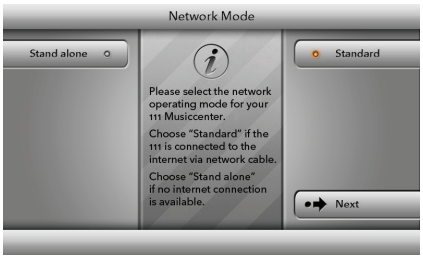
The first time the system has been started, the **Setup Wizard** opens and guides you through the basic settings.

3. Press the **Start** button.

Welcome to the Burmester 111 Musiccenter
Dear Audiophile,
thank you for choosing this Burmester audio component.
We sincerley appreciate your trust in us.
There is only one step to take before your Musiccenter is ready to use.
Simply click the Start button.
Enjoy your listening pleasure.
Your Burmester Team
Start

You can now choose whether to operate the device with or without a network connection.

4. To operate the device without a network connection: Disconnect the network cable and press the **Stand-alone** button.
   To operate the device with a network connection: Press the **Standard** button.
5. Press the **Next** button.


Network Mode
Stand alone
Standard
Please select the network operating mode for your 111 Musiccenter.
Choose "Standard" if the 111 is connected to the internet via network cable.
Choose "Stand alone" if no internet connection is available.
Next

Note: You can change these settings at a later point in time.
Please see the section *"How Do I Operate the Musiccenter as a Pure Data Server (Server Mode)?" on page 31* and the iPad operating instructions for more information on operation on a network.

To switch the device into stand-by mode:

► Briefly push the **POWER** switch on the device upward or press the **POWER** button on the remote control.
   ↳ After the system is shut down, the device switches to standby mode.

Switching the device off completely:

► Press the **POWER** switch downward into the **OFF** position.
   ↳ After the system is shut down, the device switches off. It can no longer be switched on with the remote control.

Note: The device is disconnected from the power supply via the MAINS power switch on the back side of the device. Only switch MAINS to OFF when the device is in stand-by mode (STBY, LED is lit in orange) or if the POWER switch has been turned off (OFF, LED is not lit).

What Options Do I Have for Operating the Musiccenter?

The different options for operating the Musiccenter are described below.

Operating the Musiccenter using the buttons on the device panel or the remote control

The easiest way to operate the Musiccenter is using the buttons on the device panel or the remote control. You do not need a Wi-Fi connection to the Musiccenter or a connection between the Musiccenter and your home network. However, only the basic functions are available. Please see sections *"What Operating and Display Elements Are There?" on page 17* and *"What Functions Does the Remote Control Offer?" on page 18* for a more precise description of the buttons and functions.

Operating the Musiccenter via the iPad app

Using the Apple iPad and the BurmesterMC app, you can conveniently operate the Musiccenter and use all its functions:

- Select the connected signal source.
- Start ripping a CD to the internal memory.
- Scroll through the covers of saved albums or display information on the albums and artists.
- Create and play playlists.
- Listen to Internet radio or download high-resolution music from a provider (results in use-dependent costs),

Note: Operating the system using the iPad app requires a Wi-Fi connection between the iPad and the Musiccenter. Please see chapter *"How Do I Establish a Wi-Fi Connection?" on page 22* for more information on how to establish a Wi-Fi connection.
Please see the separate document "*Instructions for Operation via the iPad App"* for more information on installing and operating the iPad app.

Operating the Musiccenter via a web browser

You can also operate the Musiccenter without the app using a standard web browser on any computer (tablet, PC, Mac). This is possible thanks to a graphic web interface saved on the Musiccenter that can be started on the computer used. Operation offers interested users advanced options for managing music and device settings.

Operation via a web browser requires the following:

- A computer (tablet, PC, Mac) with a web browser installed
- A LAN or Wi-Fi connection between the computer and the Musiccenter

Note: Please see chapter *"How do I connect the music center to my home network?" on page 21* for more information on how to establish a LAN connection.
Please see the separate document "*Instructions for Operation via a Web Browser*" for more information on how to operate the Musiccenter via a web browser.

How do I connect the music center to my home network?

A network connection is required to network the Musiccenter with other devices and for Internet access. With an Internet connection, you can use the following additional functions:

- Calling up album information from the Internet during ripping.
- Selecting from a variety of radio stations on the Internet.
- Downloading music from providers such as HIGH**RES**AUDIO (subject to a charge).
- Receiving messages, e.g. on software updates.
- Performing a software update via the Internet.

Please see the operating instructions "*Instructions for Operation via the iPad App*" and "*Instructions for Operation via a Web Browser*" for detailed information on these functions**.**

Note: You can also operate the Musiccenter without a network. For more information, see chapter *"How Do I Operate the Musiccenter Without a Network?" on page 21*.

Establishing a connection to the network

NOTICE! Upon delivery, the Musiccenter is set to network operation (= standard mode). In this case, you do not have to do anything. However, if you operate the Musiccenter without a network connection in stand-alone mode, you have to switch the network mode back to standard mode before plugging in the network cable. Note the information in section *"How Do I Change the Network Mode?" on page 22* to this regard.

► Connect the Musiccenter to your router using an Ethernet cable.
↳ Generally, the Musiccenter is automatically assigned a network address (when using DHCP).

Note: If you have issues with the network connection, you can also contact your Burmester dealer, who would be happy to help you during installation.

How Do I Operate the Musiccenter Without a Network?

You can also operate the Musiccenter without a connection to your network and via Wi-Fi using a computer (tablet, PC, Mac). In this case, however, you cannot connect the Musiccenter to other network devices or take advantage of the benefits of an Internet connection.

► To operate the Musiccenter without network, the network mode has to be switched from the factory-default standard mode to stand-alone mode. Please see chapter *"How Do I Change the Network Mode?" on page 22* for more information on switching the network mode.

The music center itself then functions as an access point. To operate the system via a computer (tablet, PC, Mac), you can now establish a direct Wi-Fi connection between the Musiccenter and the computer (see the following section).

How Do I Establish a Wi-Fi Connection?

To be able to operate the Musiccenter with a computer (tablet, PC, Mac), the two devices have to be connected via Wi-Fi.
Here, there are two options:

- **A direct Wi-Fi connection to the Musiccenter**
  With this option, the connection is established directly between the computer and the Musiccenter. As you will generally be located near your Musiccenter, this is the more usual connection method. It is also the only possible connection method when the Musiccenter is not connected to a network (stand-alone mode).
- **A connection with a Wi-Fi router**
  In this case, the Wi-Fi connection is established between your computer and the router. This connection method is only possible when the Musiccenter is connected to a network and can be useful, for example, if you do not have Wi-Fi reception because you are too far away from the Musiccenter.

Establishing a Wi-Fi connection between the iPad and the Musiccenter:

► Please see the separate document "*Instructions for Operation via the iPad App,*" chapter "*How Do I Connect the iPad to the Musiccenter*?", for a description on how to connect the Musiccenter to an iPad via Wi-Fi.

Establishing a Wi-Fi connection between a different computer and the Musiccenter:

When using a different computer, the process depends on the operating system installed. Please refer to the help information for your operating system for more information.

► For a direct Wi-Fi connection to the Musiccenter, use the following specifications:
  – Name of the network (SSID): **Musiccenter111**
  – Password: **Burmester111**

► For a Wi-Fi connection via a router, use the following specifications:
  – Name of the network (SSID): **name of the router**
  – Password: **Wi-Fi password for the router**

How Do I Change the Network Mode?

In the network settings, you can determine whether the Musiccenter is operated on a network (standard mode) or without a network (stand-alone mode). Upon delivery, the Musiccenter is set to standard mode.

NOTICE! In stand-alone mode, the Musiccenter itself functions as a DHCP server, meaning it automatically assigns an IP address to the device connected via Wi-Fi. When connecting the Musiccenter to a router (which is a DHCP server itself) using a network cable in this mode, operating two DHCP servers could cause issues in your network. This is why the operating mode has to be switched to standard mode before plugging in the network cable.

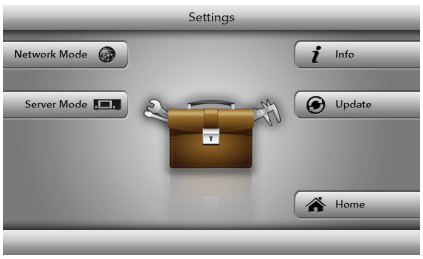
NOTICE! Changing the network mode reverts to factory settings. Any former network settings are lost.

To change the network mode:

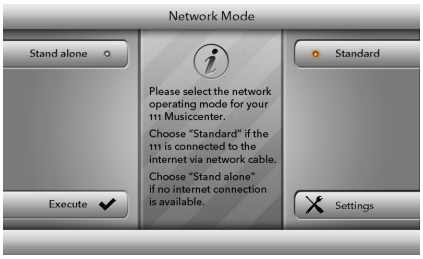
1. Press the **Home** button on the bottom right edge of the screen.
   ↳ This button leads you back to the main menu.

2. Press the **Settings** button.

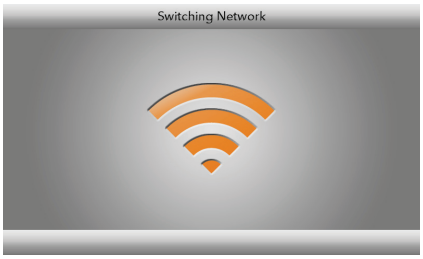
   ↳ The **Settings** menu opens.
3. Press the **Network Mode** button.



   ↳ The **Network Mode** menu opens.
4. Select the desired operating mode:
   – **Standard**: Operation with network
   – **Stand-alone**: Operation without network
5. Press the **Execute** button.


Network Mode
Stand alone
Standard
Please select the network operating mode for your 111 Musiccenter.
Choose "Standard" if the 111 is connected to the internet via network cable.
Choose "Stand alone" if no internet connection is available.
Execute
Settings

   ↳ The system reverts to factory settings.



The factory settings for operation on a network are:

- Host name/computer name: Musiccenter111
- SSID: Musiccenter111
- Wi-Fi password: Burmester111

(Note capitalization).

Note: If you have selected **Standard** but the device is not connected to the network, a corresponding message appears on the display. In this case, issues in operation via the iPad may result. For this reason, use the **Stand-alone** setting if the device is not connected to the network.

How Do I Play a CD?

You do not have to select the CD Player operating mode before playing a CD.

1. Insert a CD directly into the CD drive under the display.
   ↳ After you have inserted the CD up to the noticeable resistance, it is automatically drawn in.

Note: If you select the operating mode **CD Player** and no CD is inserted, a corresponding message appears on the display.

↳ The CD is read and played back immediately. The screen shows information on the track playing.

Note: Only audio CDs can be played.

2. Use the left bank of buttons on the screen or the corresponding buttons on the remote control to operate the CD player.

On the device	On the remote	Function
⏸	▶⏸	**PAUSE**: Pauses playback at the current position. (Only shown on the screen during playback.)
▶	▶⏸	**PLAY:** Begins playback. (Only shown on the screen during STOP or PAUSE.)
⏩	SKIP ⏭	**FORWARD:** Playback skips to the next title.
⏪	⏮ SKIP	**BACKWARD:** Playback skips to the beginning of the track playing. Pressing twice skips to the previous track.
■	STOP	**STOP: Stops playback and returns to track** 1. (Only shown on the screen during playback.)
⏏	No function	**EJECT:** Ejects the CD. (Only shown on the screen during STOP.)

How Do I Play Content from a USB Stick?

To be able to play music from a USB stick, the music has to have been saved on the stick first. It does not matter how the contents are transferred (e.g. from a computer or via download from the Musiccenter memory), how the titles are organized (all in one folder or in subfolders), or in which compatible format they are available (e.g. MP3, AAC, FLAC).

Playing back contents from a USB stick:

1. Insert the USB stick into one of the four USB slots on the back side of the Musiccenter.
   ↳ Playback starts automatically.
2. Use the left bank of buttons on the screen or the corresponding buttons on the remote control to control playback.

On the device	On the remote	Function
	▶||	**PAUSE**: Pauses playback at the current position. (Only shown on the screen during playback.)
	▶||	**PLAY:** Begins playback. (Only shown on the screen during STOP or PAUSE.)
	SKIP >|	**FORWARD:** Playback skips to the next title.
	|< SKIP	**BACKWARD:** Playback skips to the beginning of the track playing. Pressing twice skips to the previous track.
	STOP	**STOP: Stops playback and returns to track** 1. (Only shown on the screen during playback.)

How Can I Copy (rip) a CD to the Internal Memory?

Copying music or videos from a data source to a computer's hard disk is referred to as ripping. After the CD is analyzed, the data is imported, supplemented with information on the album and artist, and saved on the device in the audio format flac in a database.

Ripping a CD requires you to operate the Musiccenter via the iPad app or web interface. Both variants are virtually identical and are therefore described together below. Differences are indicated in the text. The screenshots show the iPad variant.

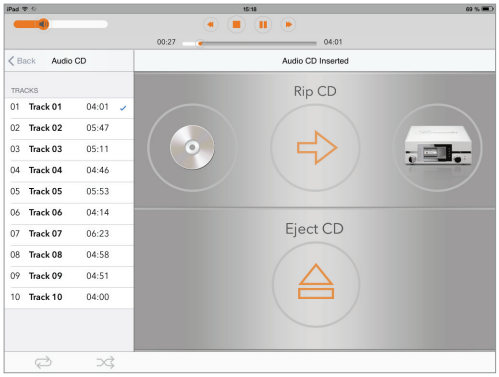
Please see the separate documents "*Instructions for Operation via the iPad App*" and "*Instructions for Operation via a Web Browser*" for detailed information on operation using the iPad app and web browser.

Note: Creating a copy for private purposes is permitted in most countries. However, creating copies for commercial purposes, as well as bypassing valid copy protection measures, is not permitted. When copying audio content, please observe the national copyright regulations in your country.

Ripping a CD:

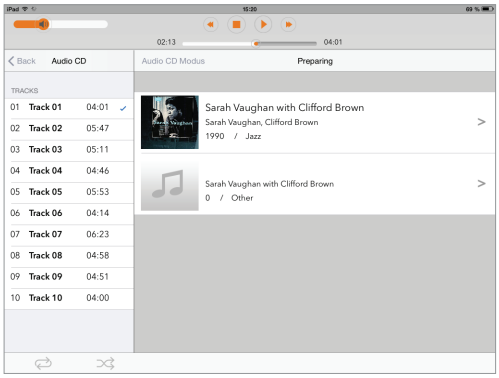
► Start the iPad app or call up the Musiccenter web interface.

1. Insert a CD into the CD drive.
   ↳ After you have inserted the CD up to the noticeable resistance, it is automatically drawn in. The CD is read and then played back immediately.
2. iPad app: In the main menu, tap **Audio CD**.
   Web interface: Click the arrow next to the drop-down menu and select **Audio CD.**
   ↳ The tracks are displayed (but not the album and track names).
3. Select the icon.
   ↳ Analysis begins.

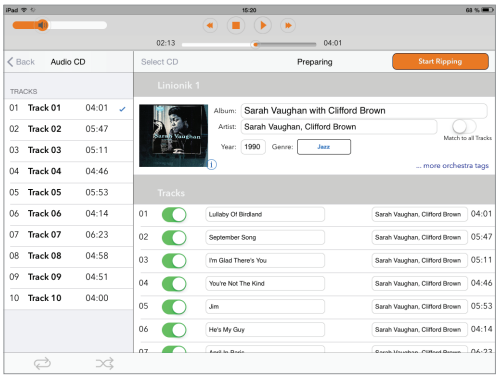


↳ If the proper album information is found, a prompt asks you to confirm the associated album. In some circumstances, multiple albums are offered for selection.

Note: Album information can only be downloaded if an Internet connection exists. If there is no connection, the album information (without cover) is obtained from the local database.



4. After selecting an album, the album and all tracks are displayed. You now have the following editing options:



   a. **Albumcover:** Click the **i** icon to the right below the cover and make a selection in the selection window. Via **Extended Search**, you can search for additional hits on the Internet, including changed artists or albums.

   b. **Album, Artist, Year:** Click the respective input field and change the information. Activate the function **Match to all Tracks** if you want to allocate the artist's name to all tracks.

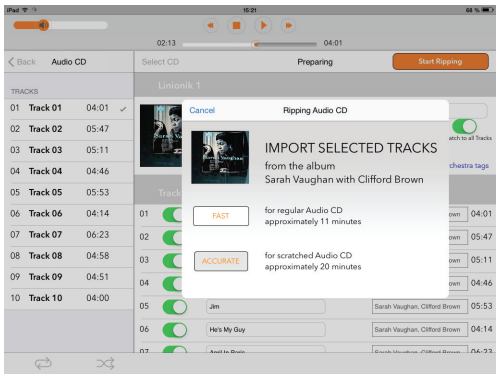
   c. **Genre:** Click the field and select a genre from the list.

   d. **Orchestra Information:** Tap **...more orchestra tags** (web interface: **...orchestra tags**) and fill out fields as necessary.

   e. **Tracks:** You can edit the title and artist for each track separately (iPad app: if you have activated **Match to all Tracks**, you cannot change artist information). Tap one of the fields to change the information manually.

   f. **Excluding tracks from ripping:** To exclude a track from ripping, tap the switch (web interface: click the checkmark).

5. Click **Start Ripping**.
   ↳ A window opens where you can select the rip quality.



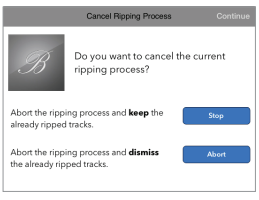
   FAST: Use FAST for CDs that have no or only a few scratches. The CD is imported without any quality improvement measures.

   ACCURATE: Use ACCURATE for heavily scratched CDs.
   The imported data is checked based on defined criteria and any error sources are already eliminated during the ripping process. Ripping with ACCURATE takes nearly twice as long as ripping with FAST. The approximate times for each type are indicated respectively.

6. Click the desired variant.
   ↳ Ripping starts. The progress for each track is displayed via a bar. If ACCURATE was selected, after ripping, rating stars denote the quality of the original data: 5 stars indicate maximum quality.

To cancel ripping,

► Click Cancel.
   ↳ A selection window opens:
   Stop: Tracks that have already been ripped remain.
   Abort: Tracks that have already been ripped are deleted.
   Continue: Ripping continues.


Cancel Ripping Process
Continue
Do you want to cancel the current ripping process?
Abort the ripping process and keep the already ripped tracks.
Stop
Abort the ripping process and dismiss the already ripped tracks.
Abort

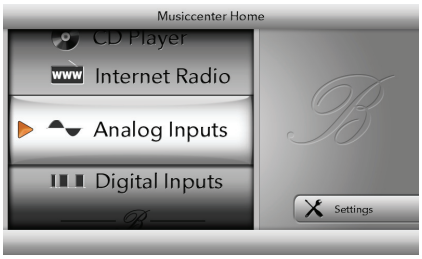
After finalization, the process is completed and the album is available on the device permanently. You can then play the album via the **player**.

How Do I Play an Analog or Digital Signal Source on the Device?

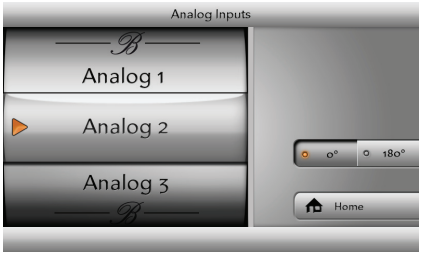
1. Press the **Home** button on the bottom right edge of the screen.

↳ This button leads you back to the main menu.

2. Turn the left rotary knob to select **Analog Inputs** or **Digital Inputs** and press the rotary knob to reach the selection menu.

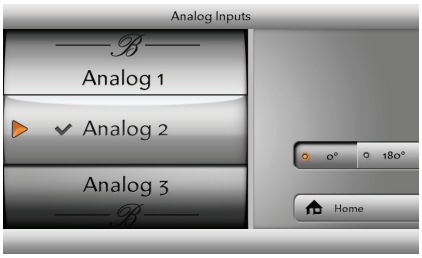


3. Turn the left rotary knob to select the desired input and press the rotary knob.



The input is now selected. In addition, you can change the phase using the button on the right edge of the screen (above the home button).

4. Select the setting that sounds better by switching back and forth between the two settings.



When selecting a digital source, you can also set the sampling rate. Press the button at the right edge of the screen to select 96 kHz or 192 kHz.

With digital sources, volume control is only possible for input signals.

Note: You have the option to name the analog and digital inputs as you like. For more information, see the operating instructions for your iPad.

How do I Play Content from the Hard Disk (Player)?

You can also play content from the hard disk without an iPad. However, the options are limited. Only the most recently played playlist can be displayed. Within this playlist, operation is the same as that for a CD: start, pause, next track, and previous track.

To play content from the hard disk:

1. Press the **Home** button on the bottom right edge of the screen.
   ↳ This button leads you back to the main menu.

2. Select the **Player** operating mode by turning and pressing the left rotary knob.
   ↳ The **Player** menu opens and the first track of the most recently played playlist is displayed.
3. Start playback by pressing the corresponding button in the left bank of buttons on the device or on the remote control.

How Do I Play Content from the Internet (Internet Radio)?

In the **Internet Radio** operating mode, you can listen to radio stations made available online. The following requirements must be met first:

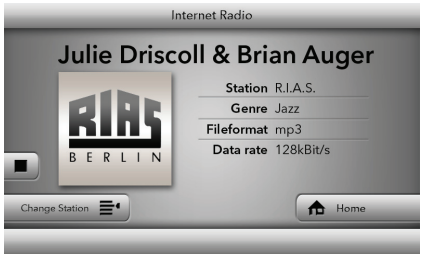
- The Musiccenter is connected to the Internet via a network.
- At least one radio station has been added to the playlist.

Stations can be added to the playlist using the iPad or the web interface. Please see the separate documents "*Instructions for Operation via the iPad App*" and "*Instructions for Operation via a Web Browser*" for further information.

To listen to a radio station:

1. Press the **Home** button on the bottom right edge of the screen.
   ↳ This button leads you back to the main menu.

2. Select the **Internet Radio** operating mode by turning and pressing the left rotary knob.
   ↳ The **Internet Radio** opens and the most recently played radio station plays.
3. To listen to a different radio station: Press the **Change Station** button.
   ↳ The menu opens and displays the stations saved in the playlist.



4. Select a station by turning and pressing the left rotary knob.
   ↳ The selected station plays.

Note: The usability of third-party services (Internet radio, music streaming services) with the Musiccenter is subject to any terms of use of third-party suppliers, as well as the technical requirements of the user and third parties (Internet access, service availability) on which Burmester Audiosysteme GmbH has no influence.

How Do I Operate the Musiccenter as a Pure Data Server (Server Mode)?

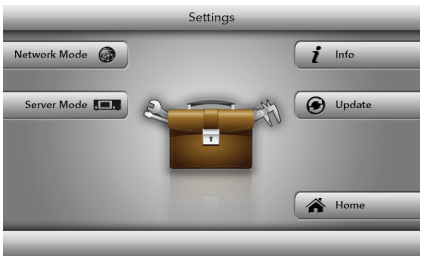
The Musiccenter can be operated as a pure data server. The preamplifier area is deactivated, while access to the hard disk drives and streaming of data, for example for multiroom playback, is still possible. This operating mode uses much less electricity than operation with a preamplifier.

To switch to server mode:

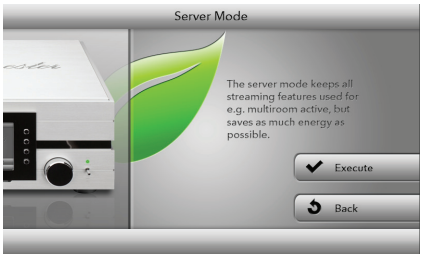
1. Press the **Home** button on the bottom right edge of the screen.
   ↳ This button leads you back to the main menu.

2. Press the **Settings** button.

   ↳ The **Settings** menu opens.
3. Press the **Server Mode** button.



   ↳ The **Server Mode** menu opens.
4. Press the **Execute** button.
   ↳ The preamplifier and screen are switched off.
   ↳ The **POWER LED** on the front of the device lights up in green.


Server Mode
The server mode keeps all streaming features used for e.g. multiroom active, but saves as much energy as possible.
Execute
Back

To end server mode:

- Briefly push the **POWER** switch on the device upward

  or

- press the **POWER** button on the remote control.

You can also switch off or end server mode using the iPad or web interface, of course. Please see the separate documents "*Instructions for Operation via the iPad App*" and "*Instructions for Operation via a Web Browser*" for further information.

How Do I Query the Serial Number and Device Versions?

Certain information on the Musiccenter can be queried in the Info menu.

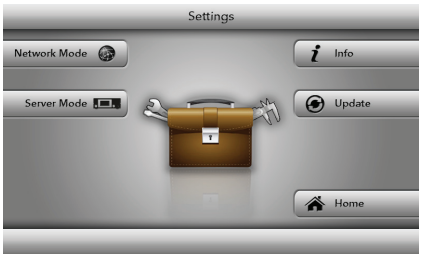
Note: For more information on the system, please see the menu **System > Information** via web server access.

To query device information:

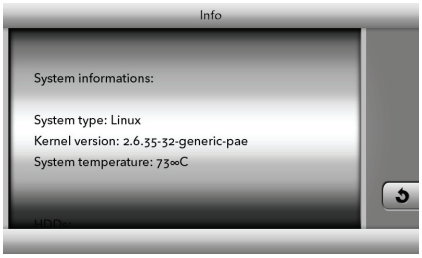
1. Press the **Home** button on the bottom right edge of the screen.
   ↳ This button leads you back to the main menu.

2. Press the **Settings** button.

   ↳ The **Settings** menu opens.
3. Press the **Info** button.



   ↳ The **Info** view opens.



Turn the left rotary knob to scroll through the information:

- **System information:** Operating system, kernel version, system temperature
- **HDD (information on the SSD, RAID hard disks):** Status, model, temperature, total and free memory
- **RAM (RAM status):** Total and free memory, buffer and cache size
- **Database:** Status, current uptime, number of artists, albums, tracks, and playlists
- **Network:** IP address, MAC address, network mask
- **WLAN (Wi-Fi):** Status, channel, SSID (name)

How Do I Perform a Software Update?

Software updates allow you access new or improved functions with your Musiccenter. When a software update is available, it is shown on the device's display (as well as on the iPad and web interface). The update can be downloaded via the Internet and installed on the Musiccenter.

► Alternatively, your dealer would be happy to perform the update for you. In this case, simply contact your dealer.

Note: A software update can also be performed via the web interface (see *"Instructions for Operation via a Web Browser"*).

Performing a software update via the Internet

NOTICE! The Musiccenter requires approximately 10 minutes for an update. During an update, the Musiccenter must not be disconnected from the power supply.

Note: You can end the update process at any time with the **Cancel** button.

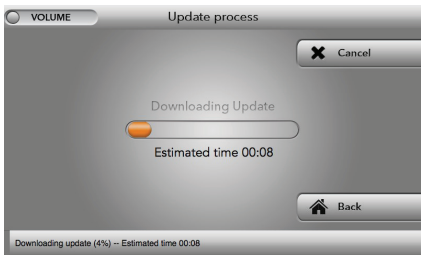
✓ The display shows when a software update is available.

1. Press the **Home** button on the bottom right edge of the screen.
   ↳ This button leads you back to the main menu.
2. Press the **Settings** button, then the **Update** button.

↳ The Download menu opens.

► Press the **Download** button.

↳ The download begins: The bar shows the progress, while **Estimated time** indicates the remaining time.



Note: During the download, you can use the Musiccenter with all its functions as usual.

✓ The update has been downloaded completely.

► Press the **Install Update** button.
↳ The update is now being installed.

Note: You cannot use the Musiccenter during installation.

After the update has been installed successfully, the Musiccenter restarts.

Performing a software update using a USB stick

1. Insert the USB stick with the update software into one of the four USB slots on the back side of the device.

2. Press the **Home** button on the bottom right edge of the screen.
   ↳ This button leads you back to the main menu.

3. Press the **Settings** button.

   ↳ The **Settings** menu opens.

4. Press the **Update** button.

   ↳ The **Update** menu opens.

Note: If no USB stick is inserted, an alert message appears. In this case, insert the USB stick.

5. Press the **Install Update** button.

   ↳ The update process begins. The bar indicates that the process is in progress.

6. Remove the USB stick once the update has been completed.

Note: After an update has been installed, the Musiccenter restarts.

Maintenance, Repair, and Care

Maintenance

The device itself does not have to be maintained.

UPS battery

The Musiccenter is equipped with a battery to safely shut down the system in the event of a power failure. The service life of this UPS battery is limited. Depending on the ambient temperature and the operating time of the Musiccenter, the UPS battery must be replaced after **one to a maximum of two years**.

► Please contact your specialist dealer, who will work with you to arrange the optimal solution for testing and exchanging the battery.

Internal hard disks

The RAID hard disks in the Musiccenter used for saving ripped audio files, like all hard disks, have a limited service life. Depending on the frequency of use, the hard disks have to be replaced after a certain period of time.

Note: Only hard disks prepared specifically by Burmester can be used.

► Please contact your specialist dealer, who will work with you to arrange the optimal solution for exchanging the hard disks.

Repairs

Repairs may only be performed by authorized professionals.

► In the event of a repair, please contact your specialist dealer.

Care

NOTICE

Liquids and abrasive cleaners

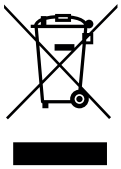
Liquids penetrating the housing can destroy the device. Rough cleaning supplies (cleaning agents, sponges, brushes, etc.) can also damage the device's surface.

► Do not use liquids or wet cloths to clean the device.

► Do not use any abrasive cleaners or sponges, brushes, etc. with a hard or rough surface.

► Only rub the device with a slightly damp cloth. For the screen, you can use a glass cleaner.

Disposal



Legislation (German electric and electronic device law – ElektroG) prohibits the disposal of electric and electronic devices by means of normal household waste. The 111 Musiccenter falls into this category.

To dispose of the device:

Bring the device to a communal collection point or a voluntary take-back system. Contact your communal waste management for addresses.

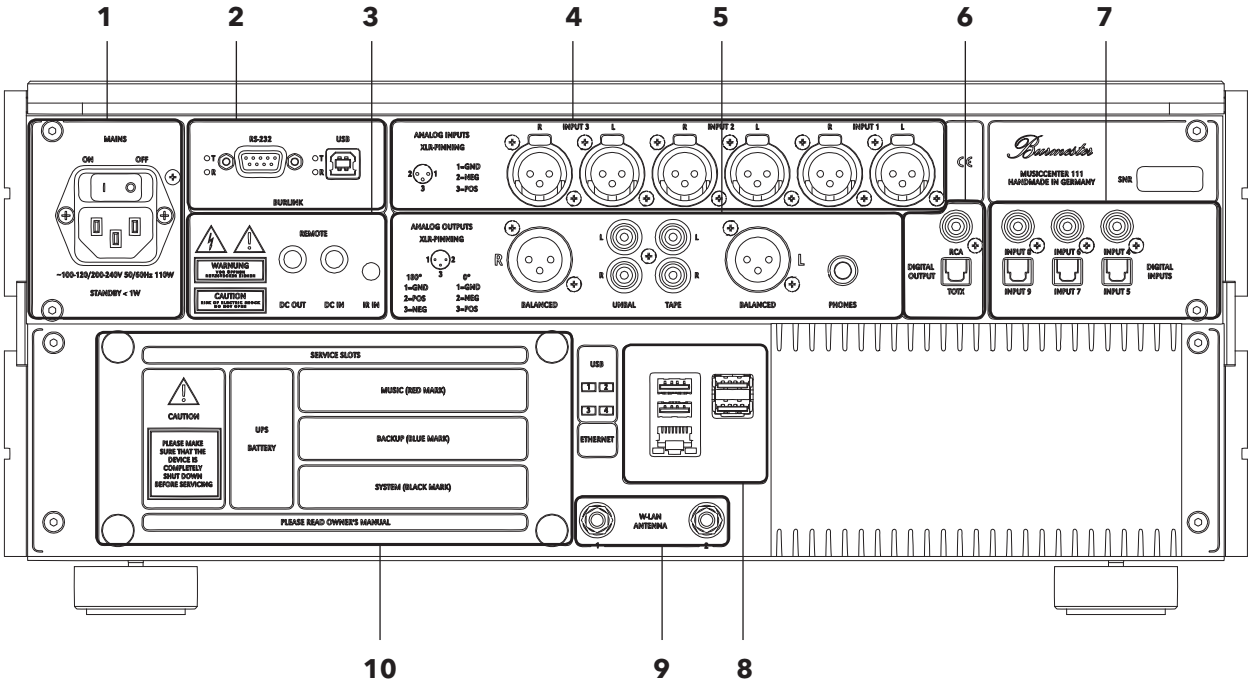
Warranty

We provide a warranty of 3 years for this device. This requires proper connection without overload, as well as mechanical integrity and submission of the warranty certificate and warranty extension.

The warranty is void if the device has been tampered with by unauthorized persons or parts of the housing, connections, or terminals have been disassembled.

Appendix

The back side of the device at a glance



1	**Power supply**	IEC socket C14 acc. to IEC 60320-1 Power switch
2	**BURLINK**	RS-232 USB 2.0, type B
3	**Remote control**	DC IN: 5.2/2.2 mm coaxial power connectors DC OUT: 5.2/2.2 mm coaxial power connectors
	Infrared	IR IN: Mini jack
4	**Analog inputs**	3x stereo XLR
5	**Analog outputs**	BALANCED: 1x stereo XLR UNBAL: 1x stereo, cinch (RCA) TAPE: 1x stereo, cinch (RCA), fixed (TAPE) PHONES: 1x jack socket, 6.35 mm, stereo
6	**Digital outputs**	RCA: 1x electrical, cinch (RCA) TOTX: 1x optical, TOSLINK
7	**Digital inputs**	INPUT 4, 6, 8: 3x electrical, cinch (RCA) INPUT 5, 7, 9: 3x optical, TOSLINK
8	**Ethernet** **USB**	1x RJ-45 4x USB 2.0, type B
9	**Wi-Fi antennas**	2x coax connectors
10	**Service plate**	Hard disks Battery

Remote control of the device via BURLINK

All control systems (such as PC, CRESTRON, AMX, etc.) can be connected to the BURLINK connector. They enable convenient control of your entire system, e.g. via a touch panel which you can program individually. The LEDs located next to these connectors labeled T and R (for transmit and receive) serve to monitor data exchange.

Connection

The BURLINK interface can be operated using the 9-pin D-SUB socket (RS-232): RS-232 configuration: 9600 baud, 8 bit, parity: none, 1 stop bit, no hardware handshake.

Commands

The commands for operating the Musiccenter are listed below. They must be sent in upper-case letters and each command must be concluded with a carriage return (\r).

Command	Meaning
POWON\r	Switches the device on
POWOFF\r	Switches the device into stand-by mode
INP+\r	Switches through the inputs successively
INP-\r	Switches through the inputs successively
INP1\r	Activates INPUT 1
INP2\r	Activates INPUT 2
INP3\r	Activates INPUT 3
INP4\r	Activates INPUT 4
INP5\r	Activates INPUT 5
INP6\r	Activates INPUT 6
INP7\r	Activates INPUT 7
INP8\r	Activates INPUT 8
INP9\r	Activates INPUT 9
INP10\r	Activates the (internal) 111 player
VOLUP\r	Increases the volume by one level
VOLDN\r	Reduces the volume by one level
VOLxx\r	Sets the playback volume to the value xx (from 00 to 63)
PHASE\r	Switches the active input between 0° and 180° phase
PHASE180\r	Switches the active input to 180° phase
PHASE0\r	Switches the active input to 0° phase
AUDIO\r	Switches the A/D converter between 96 kHz and 192 kHz sampling rate
AUDIO96\r	Switches the A/D converter module to 96 kHz sampling rate
AUDIO192\r	Switches the A/D converter module to 192 kHz sampling rate
DIM\r	Increases the brightness by one level for each command
DIM0\r	Switches to the maximum brightness

Command	Meaning
DIM1\r	Switches to medium brightness
DIM2\r	Switches to the lowest brightness
DIM3\r	Turns off the display
TYPE\r	Indicates the device type
VERSION\r	Indicates the software version
SNR\r	Indicates the series number of the device

GLOSSARY

AAC/.aac	**Advanced Audio Coding** AAC is a lossy process for compressing audio data.
AIFF/.aiff	**Audio Interchange File Format** AIFF is a file format for saving LPCM audio data. Compared with other audio data formats, such as ***MP3***, LPCM (linear pulse-code modulation) does not feature data compression.
ALAC/.alac	**Apple Lossless Audio Codec** ALAC is a free process developed by Apple for lossless audio data compression. The compressed audio data is saved in ***MP4*** files with the file ending ***.m4a*** or ***.mp4***.
Cinch	Cinch is the designation for a connector for unbalanced transmission of electrical signals (e.g. audio signals) used primarily in Germany. The international designation is ***RCA***.
CPU	**Central processing unit** The CPU is a computer's central processing unit.
DLNA	**Digital Living Network Alliance** DLNA is a standard developed in collaboration between over 250 companies to be able to transfer audio and video data across manufacturers and devices.
FLAC/.flac	**Free Lossless Audio Codec** FLAC is a free process for lossless audio data compression. Unlike lossy processes, such as ***MP3,*** no quality losses result.
LAN	**Local area network** A LAN is a computer network that is limited to a range of 500 meters (without additional measures). It is generally used in home networks or small companies.
.m4a	The file ending .m4a designates MP4 files containing only audio (see also ***MP4*** and ***ALAC***).
MP3/.mp3	mp3 is a patented process for lossy compression of audio data. Saving only signal portions that are audible to humans enables a considerable reduction of the quantity of data without decreasing the audio quality (at least as can be heard).
MP4/.mp4	mp4 is a video container format for MPEG-4 contents based on the Apple QuickTime file format. Multimedia contents can be saved in MP4 files in the form of multiple audio and video tracks, as well as subtitles, 2D and 3D graphics. These contents can be played locally with suitable software or streamed via a network.
Ogg/ogg	Ogg is a freely available file format for multimedia files that can contain audio, video, and text data simultaneously. The most well known program for encrypting and decrypting (Codec) is Vorbis, which is often simplified to (or incorrectly referred to) as Ogg.
RAID	**Redundant array of independent disks** RAID can be used to organize multiple (physical) hard disks of one computer as one single (logical) hard drive. This enables a higher degree of data security in case of failure of individual hard disks.
RCA	**Radio Corporation of America** RCA is the international designation for connectors for unbalanced transmission of electrical signals (e.g. audio signals). The term ***Cinch*** is also used, primarily in Germany.
RJ-45	RJ-45 is a connector in the networking area standardized by the American Federal Communications Commission (FCC).
RS-232	RS-232 is a standard for a serial interface commonly found in computers.

Server	A server is a computer program for accessing a central resource or service in a network. A computer on which one or more servers run is also designated a server.
SSID	**Service set identifier** The SSID is a freely selectable name within a ***Wi-Fi connection***
TOSLINK	TOSLINK is a standardized connection system for optical signal transmission via fiber-optic cables originally developed by Toshiba (TOShiba-LINK). It is common in consumer goods for digital transmission of audio signals (e.g. CD and DVD players, audio amplifiers, A/D converters).
UPnP	**Universal Plug and Play** UPnP was originally launched by Microsoft and allows for cross-manufacturer control of devices (such as audio devices, routers, printers, or home controls) via an IP-based network (IP = Internet Protocol). Today, the UPnP Forum specifies the UPnP standard and certifies devices complying with the standard.
WAV/.wav	**WAVE** The WAVE file format is a container format for digital storage of audio data that is based on the Resource Interchange File Format (RIFF) defined for Windows by Microsoft.
WLAN	**Wireless local area network** WLAN is the term for a local radio network. It is frequently referred to as Wi-Fi.
XLR	The XLR (also referred to as Cannon connector) is an industrial standard for electrical connectors. The three-pin XLR plug establishes the standard connection for analog audio lines in professional audio technology as well as in high-quality hi-fi/high-end components, in particular with balanced signal transmission.

Technical Data

Connectors

Analog inputs	3x stereo XLR
Analog outputs	1x stereo XLR 1x stereo cinch (RCA) 1x stereo cinch (RCA), fixed (TAPE) 1x jack socket, 6.35 mm, stereo (PHONES)
Digital inputs	3x electrical 3x optical (TOSLINK)
Digital outputs	1x electrical 1x optical (TOSLINK)
BURLINK remote control	1x RS-232 1x USB 2.0, type B
REMOTE remote control	2x coaxial power connectors, 5.5/2.5 mm (DC OUT, DC IN)
Infrared	1x mini jack socket
Ethernet	1x RJ-45
USB	4x USB 2.0, type A
Power supply	IEC socket C14 acc. to IEC 60320-1, with mains switch
Wi-Fi antennas	2x coax connectors

Components

CD drive	CD-DA
Hard disk	2x 3 terabytes (RAID)
Display	7" LED, backlit, brightness adjustable in 3 levels, resolution: 800 x 480 pixels
Uninterruptible power supply	Lead-acid battery, 12 V, 0.8 Ah for controlled shutdown, bridgeable time: approx. 2 minutes

General data

Dimensions (W x H x D)	455 mm x 215 mm x 405 mm The lengths of the plugs to be connected are not taken into consideration in the dimensions.
Weight	Approx. 28 kg
Power supply	100 V – 120 V, 50 Hz/60 Hz 200 V – 240 V, 50 Hz/60 Hz
Fuses	F1, F4, F5: T 1A E F2, F3: T 500mA E F6: T 50mA E
Power consumption	ON: max. 110 W Server mode: max. 55 W STBY: <1 W OFF: <1 W

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AUDIOSYSTEME

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